# ecology and environment, inc.

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International Specialists in the Environmental Sciences




DATE: September 4, 1980

TO: File

FROM: Mark Hutson & Rod Bloese.

SUBJECT: On-site inspection at E. Chicago, GATX
TDD# F5-8008-10

On the above date, John Cerocke, Jerry Oskvarek, and the authors met with representatives of and inspected the subject site. During the meetings we were given a historical perspective of site activities and a description of current practices. The GATX personnel present during both the meetings and inspection were Mr. E.S. Parker and Mr. John D. Levin. Mr. Parker is the corporate manager of safety and environmental affairs and Mr. Levin is a corporate attorney.

The on-site inspection revealed a situation much changed from the site described and inspected by EPA personnel. There are three small lagoons on the property rather than one large lagoon. Effluent enters the primary pond where sludge is settled out and floating scum is skimmed off. The liquids are then drained off into the secondary pond. The materials on the sides of the second pond were visible near the water level. They consisted of mixed sands, gravels, and fill material. The water level in the secondary pond was lower than the water level in the primary pond. A third lagoon is used to collect runoff and serve as an overflow protection lagoon. The general layout and location of the site are shown on the attached sketches.

Between the ponds and the Indiana Harbor Canal is 5 acres of former railroad property which is now owned by GATX. According to Mr. Parker, GATX plans to build a water treatment facility on this land. As part of the preliminary site investigation for the treatment facility GATX has installed 3 stainless steel monitor wells. The depths of these wells are thought to be 20-25 feet. Approximate well locations are marked on the site sketch.

In order to ascertain the existence of groundwater contamination from the lagoon we suggest a series of monitor wells be installed both up and down gradient. This would include soils analysis of representative samples of the underlying materials and chemical analysis of water samples.

MH,RB/ct

Continued From Front

## III. INSPECTION INFORMATION (continued)

**D. GENERATOR INFORMATION (sources of waste)**

| 1. NAME | 2. TELEPHONE NO. | 3. ADDRESS | 4. WASTE TYPE GENERATED |
|---|---|---|---|
| GATX CORPORATION TANK CAR REPAIR PLANT #2 | 219-308-63[illegible] | [illegible] LEST [illegible] | TANK CAR WASTE [illegible] POSSIBLE CONTAIN[illegible] |
| | | | |
| | | | |

**E. TRANSPORTER/HAULER INFORMATION**

| 1. NAME | 2. TELEPHONE NO. | 3. ADDRESS | 4. WASTE TYPE TRANSPORTED |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

**F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.**

| 1. NAME | 2. TELEPHONE NO. | 3. ADDRESS |
|---|---|---|
| SCA CHEMICAL WASTE SERVICES, INC | 716-754-[illegible] | MODEL [illegible] N.Y. 14107 |
| | | |
| | | |

| G. DATE OF INSPECTION (mo., day, & yr.) | H. TIME OF INSPECTION | I. ACCESS GAINED BY: (credentials must be shown in all cases) |
|---|---|---|
| SEPTEMBER 4, 1980 | 1100 HOURS | ☒ 1. PERMISSION ☐ 2. WARRANT |

J. WEATHER (describe)
F

## IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

| 1. SAMPLE TYPE | 2. SAMPLE TAKEN (mark 'X') | 3. SAMPLE SENT TO: | 4. DATE RESULTS AVAILABLE |
|---|---|---|---|
| a. GROUNDWATER | | | |
| b. SURFACE WATER | | | |
| c. WASTE | | | |
| d. AIR | | | |
| e. RUNOFF | | | |
| f. SPILL | | | |
| g. SOIL | | | |
| h. VEGETATION | | | |
| i. OTHER (specify) | | | |

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

| 1. TYPE | 2. LOCATION OF MEASUREMENTS | 3. RESULTS |
|---|---|---|
| | | |
| | | |
| | | |
| | | |


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# EPA POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

REGION: 5 | SITE NUMBER (to be assigned by Hq):

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

## I. SITE IDENTIFICATION

| A. SITE NAME | B. STREET (or other identifier) |
|---|---|
| GATX CORPORATION TANK CAR REPAIR PLANT NO. 2 | 4245 RAILROAD AVENUE |

| C. CITY | D. STATE | E. ZIP CODE | F. COUNTY NAME |
|---|---|---|---|
| EAST CHICAGO | IND. ANA. | 46312 | LAKE |

G. SITE OPERATOR INFORMATION

| 1. NAME | 2. TELEPHONE NUMBER |
|---|---|
| GENERAL AMERICAN TRANSPORTATION CORPORATION | 219-[illegible] |

| 3. STREET | 4. CITY | 5. STATE | 6. ZIP CODE |
|---|---|---|---|
| 120 SOUTH RIVERSIDE PLAZA | CHICAGO | ILLINOIS | 60606 |

H. REALTY OWNER INFORMATION (if different from operator of site)

| 1. NAME | 2. TELEPHONE NUMBER |
|---|---|
| | |

| 3. CITY | 4. STATE | 5. ZIP CODE |
|---|---|---|
| | | |

I. SITE DESCRIPTION

SCUM COLLECTION POND FOR TANK CAR REFURBISHING PLANT

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

## II. TENTATIVE DISPOSITION (complete this section last)

| A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.) | B. APPARENT SERIOUSNESS OF PROBLEM |
|---|---|
| UNKNOWN | ☐ 1. HIGH ☒ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE |

C. PREPARER INFORMATION

| 1. NAME | 2. TELEPHONE NUMBER | 3. DATE (mo., day, & yr.) |
|---|---|---|
| JEROME D. OSKVAREK | 312-663-9415 | SEPTEMBER 1, 1980 |

## III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

| 1. NAME | 2. TITLE | 3. ORGANIZATION | 4. TELEPHONE NO. (area code & no.) |
|---|---|---|---|
| MARK HUTSON | HYDROGEOLOGIST | ECOLOGY AND ENVIRONMENT, INC. | 312-663-9415 |

B. INSPECTION PARTICIPANTS

| 1. NAME | 2. ORGANIZATION | 3. TELEPHONE NO. |
|---|---|---|
| RODNEY BLOESE | ECOLOGY & ENVIRONMENT, INC. | 312-663-9415 |
| JEROME OSKVAREK | ECOLOGY & ENVIRONMENT, INC. | 312-663-9415 |
| JOHN [illegible] | ECOLOGY & ENVIRONMENT, INC. | 312-663-9415 |

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)

| 1. NAME | 2. TITLE & TELEPHONE NO. | 3. ADDRESS |
|---|---|---|
| E.S. PARKER | MANAGER OF SAFETY AND ENVIRONMENTAL AFFAIRS 312-621-6340 | GATX 120 S. RIVERSIDE PLAZA CHICAGO, IL 60606 |
| JOHN D. LEVIN | LAWYER 312-621-4578 | GATX 120 S. RIVERSIDE PLAZA CHICAGO, IL 60606 |
| | | |
| | | |
| | | |
| | | |



Continue On Reverse

Continued From Page 2

## IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS: [X] a. GROUND [ ] b. AERIAL

2. PHOTOS IN CUSTODY OF: MARK HUTSON, E.E., INC.

D. SITE MAPPED?

[ ] YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.): 41° 38' 13"

2. LONGITUDE (deg.-min.-sec.): 87° 38' 24"

## V. SITE INFORMATION

A. SITE STATUS

[X] 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

[ ] 2. INACTIVE (Those sites which no longer receive wastes.)

[ ] 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

[ ] 1. NO [X] 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (in acres)

D. ARE THERE BUILDINGS ON THE SITE?

[ ] 1. NO [X] 2. YES (specify):

## VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

| X | A. TRANSPORTER | X | B. STORER | X | C. TREATER | X | D. DISPOSER |
|---|---|---|---|---|---|---|---|
| | 1. RAIL | | 1. PILE | | 1. FILTRATION | | 1. LANDFILL |
| | 2. SHIP | X | 2. SURFACE IMPOUNDMENT | | 2. INCINERATION | | 2. LANDFARM |
| | 3. BARGE | | 3. DRUMS | | 3. VOLUME REDUCTION | | 3. OPEN DUMP |
| | 4. TRUCK | | 4. TANK, ABOVE GROUND | | 4. RECYCLING/RECOVERY | | 4. SURFACE IMPOUNDMENT |
| | 5. PIPELINE | | 5. TANK, BELOW GROUND | | 5. CHEM./PHYS./TREATMENT | | 5. MIDNIGHT DUMPING |
| | 6. OTHER (specify): | | 6. OTHER (specify): | | 6. BIOLOGICAL TREATMENT | | 6. INCINERATION |
| | | | | | 7. WASTE OIL REPROCESSING | | 7. UNDERGROUND INJECTION |
| | | | | | 8. SOLVENT RECOVERY | | 8. OTHER (specify): |
| | | | | | 9. OTHER (specify): | | |

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

[ ] 1. STORAGE [ ] 2. INCINERATION [ ] 3. LANDFILL [X] 4. SURFACE IMPOUNDMENT [ ] 5. DEEP WELL

[ ] 6. CHEM/BIO/PHYS TREATMENT [ ] 7. LANDFARM [ ] 8. OPEN DUMP [ ] 9. TRANSPORTER [ ] 10. RECYCLOR/RECLAIMER

## VII. WASTE RELATED INFORMATION

A. WASTE TYPE

[X] 1. LIQUID [X] 2. SOLID [ ] 3. SLUDGE [ ] 4. GAS

B. WASTE CHARACTERISTICS

[ ] 1. CORROSIVE [X] 2. IGNITABLE [ ] 3. RADIOACTIVE [X] 4. HIGHLY VOLATILE

[X] 5. TOXIC [ ] 6. REACTIVE [ ] 7. INERT [X] 8. FLAMMABLE

[ ] 9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

*Continued From Front*

## VII. WASTE RELATED INFORMATION *(continued)*

2. Estimate the amount *(specify unit of measure)* of waste by category; mark 'X' to indicate which wastes are present.

| a. SLUDGE | b. OIL | c. SOLVENTS | d. CHEMICALS | e. SOLIDS | f. OTHER |
|---|---|---|---|---|---|
| AMOUNT | AMOUNT | AMOUNT | AMOUNT | AMOUNT | AMOUNT |
| UNIT OF MEASURE | UNIT OF MEASURE | UNIT OF MEASURE | UNIT OF MEASURE | UNIT OF MEASURE | UNIT OF MEASURE |
| (1) PAINT, PIGMENTS | (1) OILY WASTES | (1) HALOGENATED SOLVENTS | (1) ACIDS | (1) FLYASH | (1) LABORATORY, PHARMACEUT. |
| (2) METALS SLUDGES | (2) OTHER *(specify)*: | (2) NON-HALOGNTD. SOLVENTS | (2) PICKLING LIQUORS | (2) ASBESTOS | (2) HOSPITAL |
| (3) POTW | | (3) OTHER *(specify)*: | (3) CAUSTICS | (3) MILLING/MINE TAILINGS | (3) RADIOACTIVE |
| (4) ALUMINUM SLUDGE | | | (4) PESTICIDES | (4) FERROUS SMELTING WASTES | (4) MUNICIPAL |
| (5) OTHER *(specify)*: | | | (5) DYES/INKS | (5) NON-FERROUS SMLTG. WASTES | (5) OTHER *(specify)*: |
| | | | (6) CYANIDE | (6) OTHER *(specify)*: | |
| | | | (7) PHENOLS | | |
| | | | (8) HALOGENS | | |
| | | | (9) PCB | | |
| | | | (10) METALS | | |
| | | | (11) OTHER *(specify)*: | | |

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE *(place in descending order of hazard)*

| 1. SUBSTANCE | 2. FORM *(mark 'X')* | | | 3. TOXICITY *(mark 'X')* | | | | 4. CAS NUMBER | 5. AMOUNT | 6. UNIT |
|---|---|---|---|---|---|---|---|---|---|---|
| | a. SOLID | b. LIQ. | c. VAPOR | a. HIGH | b. MED. | c. LOW | d. NONE | | | |
| | | | | | | | | | | |
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## VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS



*Continue On Page 5*

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☒ K. NOTICEABLE ODORS

☒ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE


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## VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☐ D. CONTAMINATION OF WATER SUPPLY

☐ E. CONTAMINATION OF FOOD CHAIN

☒ F. CONTAMINATION OF GROUND WATER

☒ G. CONTAMINATION OF SURFACE WATER

## VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☐ U. OTHER (specify):

## IX. POPULATION DIRECTLY AFFECTED BY SITE

| A. LOCATION OF POPULATION | B. APPROX. NO. OF PEOPLE AFFECTED | C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA | D. APPROX. NO. OF BUILDINGS AFFECTED | E. DISTANCE TO SITE (specify units) |
|---|---|---|---|---|
| 1. IN RESIDENTIAL AREAS | | | | |
| 2. IN COMMERCIAL OR INDUSTRIAL AREAS | 70 | | 5 | [illegible] |
| 3. IN PUBLICLY TRAVELLED AREAS | | | | |
| 4. PUBLIC USE AREAS (parks, schools, etc.) | | | | |

## X. WATER AND HYDROLOGICAL DATA

| A. DEPTH TO GROUNDWATER (specify unit) | B. DIRECTION OF FLOW | C. GROUNDWATER USE IN VICINITY |
|---|---|---|
| [illegible] | | |
| D. POTENTIAL YIELD OF AQUIFER | E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure) | F. DIRECTION TO DRINKING WATER SUPPLY |
| | | |

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS*  ☒ 2. COMMUNITY (specify town): [illegible] > 15 CONNECTIONS

☐ 3. SURFACE WATER  ☐ 4. WELL



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## VIII. HAZARD DESCRIPTION (continued)

☐ N. FIRE OR EXPLOSION

☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

☐ P. SEWER, STORM DRAIN PROBLEMS

☐ Q. EROSION PROBLEMS

☒ R. INADEQUATE SECURITY

☐ S. INCOMPATIBLE WASTES

Continued From Front

## XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

| A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.) | B. ISSUING AGENCY | C. PERMIT NUMBER | D. DATE ISSUED (mo., day, & yr.) | E. EXPIRATION DATE (mo., day, & yr.) | F. IN COMPLIANCE (mark 'X') | | |
|---|---|---|---|---|---|---|---|
| | | | | | 1. YES | 2. NO | 3. UNKNOWN |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

## XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☒ YES (summerize in this space)

USEPA

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition *(Section II)* information on the first page of this form.

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## X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

| 1. WELL | 2. DEPTH (specify unit) | 3. LOCATION (proximity to popular on/buildings) | 4. NON-COMMUNITY (mark 'X') | 5. COMMUNITY (mark 'X') |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

I. RECEIVING WATER

1. NAME

☐ 2. SEWERS ☐ 3. STREAMS/RIVERS ☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

## XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☐ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☒ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

## XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

| 'X' | A. OVERBURDEN | 'X' | B. BEDROCK (specify below) | 'X' | C. OTHER (specify below) |
|---|---|---|---|---|---|
| X | 1. SAND | | | | |
| X | 2. CLAY | | | | |
| X | 3. GRAVEL | | | | |

## XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☐ C. HIGH (1000 to 10 cm/sec.)
☐ D. MODERATE (10 to .1 cm/sec.) ☐ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☐ 1. YES ☒ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES ☒ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE: 1

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.: To [illegible]

J. OTHER GEOLOGICAL DATA



Continue On Reverse

## SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
*(Supplemental Report)*

**INSTRUCTION**
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

2. STABILITY/CONDITION OF EMBANKMENTS

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*
☐ YES ☐ NO

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE
☐ YES ☐ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT
☐ YES ☒ NO

6. *RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT*
☐ YES ☐ NO

7. IMPOUNDMENT HAS LINER SYSTEM
☐ YES ☐ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED
☐ YES ☐ NO

7b. FINDINGS

8. SOIL STRUCTURE AND SUBSTRUCTURE

9. MONITORING WELLS
☐ YES ☐ NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH WIDTH DEPTH

11. CALCULATED VOLUMETRIC CAPACITY

12. PERCENT OF CAPACITY REMAINING

13. ESTIMATE FREEBOARD

14. SOLIDS DEPOSITION
☒ YES ☐ NO

15. DREDGING DISPOSAL METHOD

16. OTHER EQUIPMENT